

Note:
“EB” on the packaging indicates the United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please keep this manual for future reference.

Panasonic

CD Stereo System

Operating Instructions

Model No. **SC-PM9**

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Dear customer

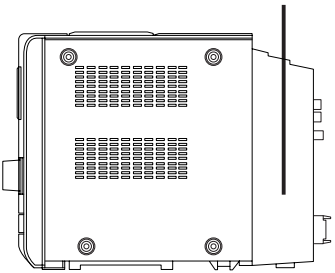
Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.

These operating instructions are applicable to the following system.

System	SC-PM9
Main unit	SA-PM9
Speakers	SB-PM9



LUOKAN 1 LASERLAITE KLASS 1 LASER APPARAT



Side of product

DANGER	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING. NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSETTELSE FOR STRÅLING.
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTITINNA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING	ÖSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN.
ADVARSEL	USYNLIG LASERSTRÅLING NÄR DEKSEL ÄPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	UNGSICHTBARE LASERSTRAHLUNG. WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN. RQLS0218

Inside of product
Tuotteen sisällä
Produktets innsida

(For Europe, Australia and New Zealand)

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

TÄMÄ LAITE ON TARKOITETTU KÄYTETTÄVÄKSI LEUDOSSA ILMASTOSSA.

DETTE APPARATET ER BEREGNET TIL BRUK UNDER MODERATE KLIMAFORHOLD.

(For others)

THIS UNIT IS INTENDED FOR USE IN TROPICAL CLIMATES.

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

Safety precautions

Placement

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the unit's service life.

Place it at least 15 cm away from wall surfaces to avoid distortion and unwanted acoustical effects.

Do not place heavy items on the unit.

Voltage

Do not use high voltage power sources. This can overload the unit and cause a fire.

Do not use a DC power source. Check the source carefully when setting the unit up on a ship or other place where DC is used.

AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.

Grasp the plug firmly when unplugging the lead. Pulling the AC mains lead can cause electric shock.

Do not handle the plug with wet hands. This can cause electric shock.

Foreign matter

Do not let metal objects fall inside the unit. This can cause electric shock or malfunction.

Do not let liquids get into the unit. This can cause electric shock or malfunction. If this occurs, immediately disconnect the unit from the power supply and contact your dealer.

Do not spray insecticides onto or into the unit. They contain flammable gases which can ignite if sprayed into the unit.

Service

Do not attempt to repair this unit by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorized service center. Electric shock or damage to the unit can occur if the unit is repaired, disassembled or reconstructed by unqualified persons.

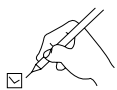
Extend operating life by disconnecting the unit from the power source if it is not to be used for a long time.

The socket outlet shall be installed near the equipment and easily accessible or the mains plug or an appliance coupler shall remain readily operable.

Laite tulee asettaa lähelle verkkopistorasiaa ja pistokkeen täytyy olla sellaisessa asennossa, että siihen on helppo tarttua ongelman sattuessa.

Utstyret bør plasseres i nærheten av AC-stikkkontakten, og støpslet må være lett tilgjengelig hvis det skulle oppstå problemer.

Supplied accessories



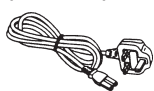
Please check and identify the supplied accessories.
Use numbers indicated in parentheses when asking for replacement parts.

☐ **AC mains lead** 1 pc.

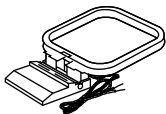
For the United Kingdom (VJA0733)

For Australia and N.Z. (K2CJ2DA00010)

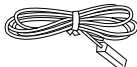
For others (K2CQ2CA00002)



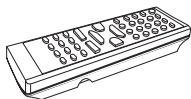
☐ **AM loop antenna** 1 pc.
(N1DAAA00001)



☐ **FM indoor antenna** 1 pc.
(RSA0007-L)



☐ **Remote control transmitter** 1 pc.
(EUR7711140)



☐ **Remote control batteries** 2 pcs.



☐ **Antenna plug adaptor** 1 pc.
For the United Kingdom only (K1YZ0200013)



Caution for AC Mains Lead

(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.

If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral, Brown: Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

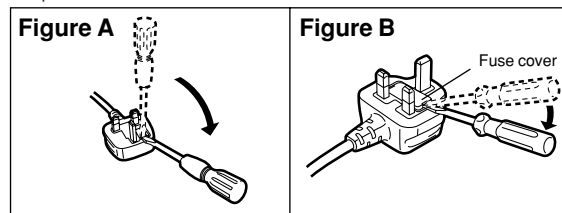
Remove the connector cover.

How to replace the fuse

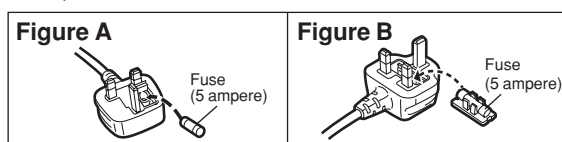
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.



2. Replace the fuse and close or attach the fuse cover.



For the United Kingdom and Republic of Ireland

shop@Panasonic

www.panasonic.co.uk (for UK customers only)

- Order accessory and consumable items for your product with ease and confidence by telephoning our Customer Care Centre Mon–Friday 9:00 am–5:30 pm. (Excluding public holidays.)
- Or go on line through our Internet Accessory ordering application.
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!

Customer Care Centre

For UK customers: 08705 357357

For Republic of Ireland customers: 01 289 8333

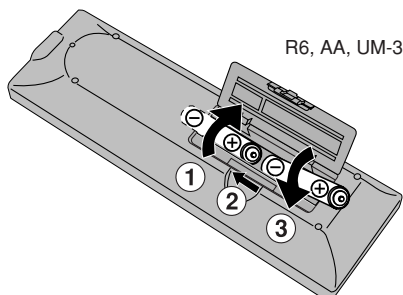
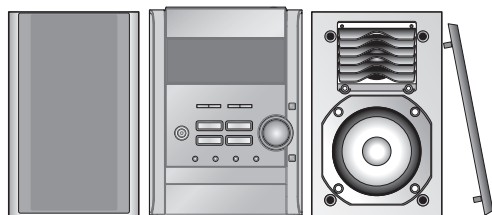
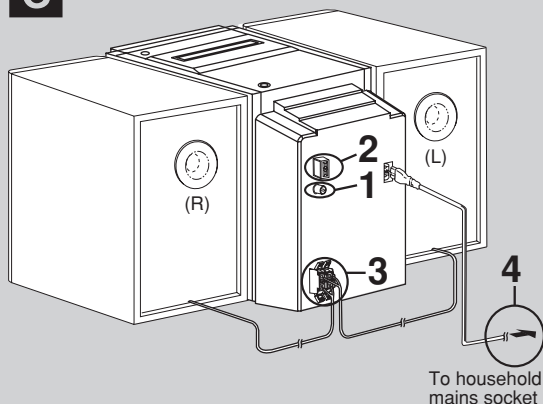
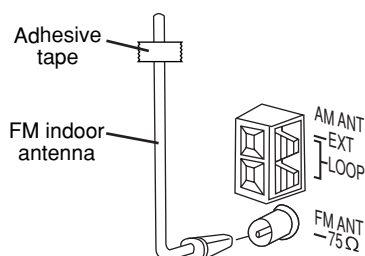
Technical Support

For UK customers: 0870 1 505610

This Technical Support Hot Line number is for Panasonic PC software related products only.

For Republic of Ireland, please use the Customer Care Centre number listed above for all enquiries.

For all other product related enquiries, please use the Customer Care Centre numbers listed above.

A**B****C****1**

A The remote control

■ Batteries

- Insert so the poles (+ and -) match those in the remote control.
- Do not use rechargeable type batteries.

Do not:

- mix old and new batteries.
- use different types at the same time.
- heat or expose to flame.
- take apart or short circuit.
- attempt to recharge alkaline or manganese batteries.
- use batteries if the covering has been peeled off.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.

Remove if the remote control is not going to be used for a long period of time. Store in a cool, dark place.

■ Use

Aim at the remote control sensor, avoiding obstacles, at a maximum range of 7 m (23 feet) directly in front of the unit. Refer to page 6 for the remote control sensor position.

B Placement of speakers

Speakers are designed identically so that no left or right channel orientation is necessary.

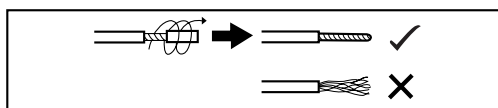
Notes

- Keep your speakers at least 10 mm away from the system for proper ventilation.
- These speakers do not have magnetic shielding. Do not place them near televisions, personal computers or other devices easily influenced by magnetism.
- To avoid damage to the speakers, do not touch the speaker cones if you have taken the nets off.

C Connections

Plug the AC mains lead into a household mains socket only after all other connections have been made.

- To prepare the AM loop antenna wire and speaker cords, twist the vinyl cover tip and pull off.



1 Connect the FM indoor antenna.

Tape the antenna to a wall or column, in a position where radio signals are received with the least amount of interference.

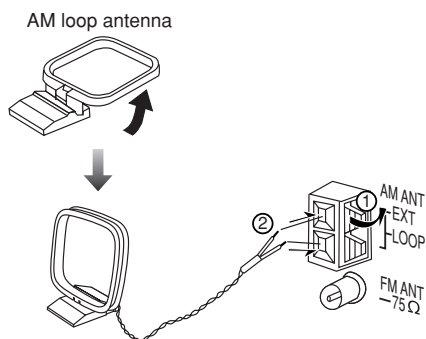
Note

For the best reception:

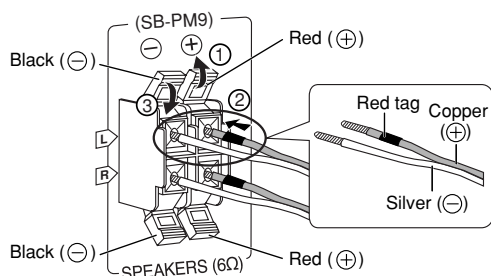
An FM outdoor antenna is recommended. (→ page 5)

(Continued on next page)

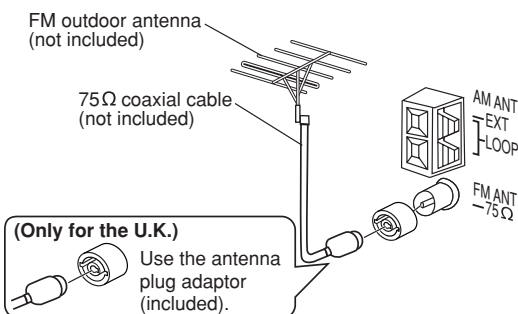
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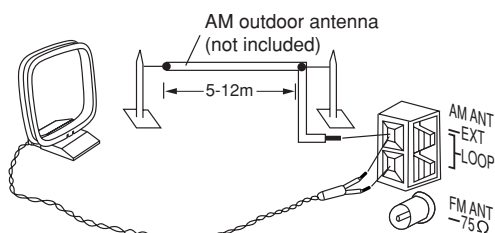
3



A



B



Connections

2 Connect the AM loop antenna.

After attaching the antenna, turn on the system and tune in a broadcast station. Put the antenna where the reception is best and interference is minimal.

3 Connect the speaker cables.

Connect the speaker cords without tags to the black terminals, so (+) and (-) are correct. Connect the speaker cords with red tags to the red terminals, so (+) and (-) are correct. Never allow the exposed wires to contact each other when connected.

Incorrect connection can damage the unit.

Caution

Use only the supplied speakers.

The combination of the main unit and speakers provide the best sound. Using other speakers can damage the unit and sound quality will be negatively affected.

Caution

- Use the speakers only with the recommended system.

Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.

- Do not attach these speakers to walls or ceilings.

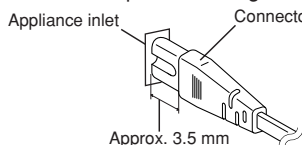
4 Connect the AC mains lead.

**FOR THE UNITED KINGDOM ONLY
READ THE CAUTION FOR THE AC MAINS LEAD ON
PAGE 3 BEFORE CONNECTION.**

Insertion of Connector

Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.

However there is no problem using the unit.



Note

The included AC mains lead is for use with this unit only. Do not use it with other equipment.

Optional antenna connections

You may need an outdoor antenna if you use this system in a mountainous region or inside a reinforced-concrete building, etc.

A FM outdoor antenna

Disconnect the FM indoor antenna if an FM outdoor antenna is installed.

Note

An outdoor antenna should be installed by a qualified technician only.

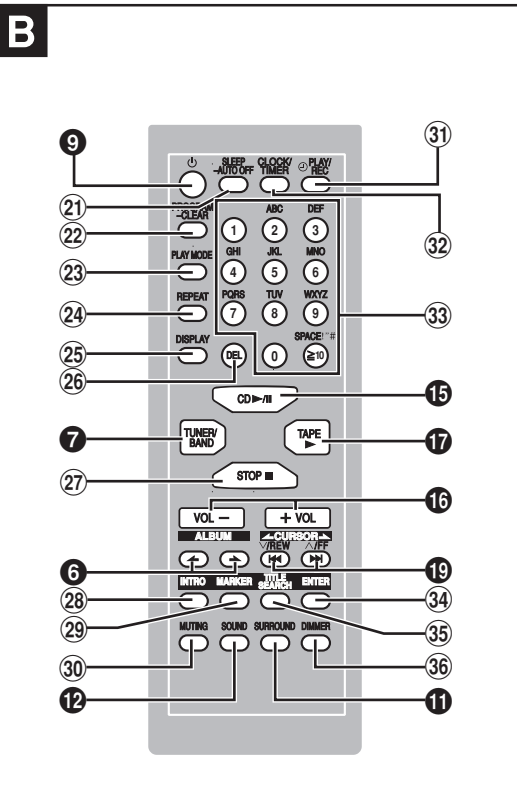
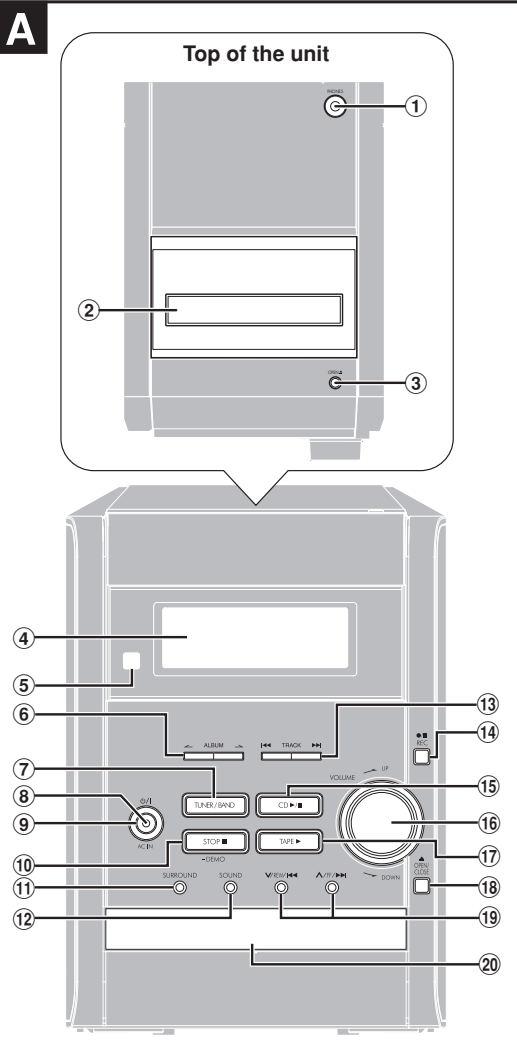
B AM outdoor antenna

Connect the outdoor antenna without removing the AM loop antenna. Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.

Note

When the unit is not in use, disconnect the outdoor antenna to prevent possible damage that may be caused by lightning. Never use an outdoor antenna during a lightning storm.

Before use



Front panel controls

A Main unit

- ① Headphone jack (PHONES) 19
- ② Cassette lid
- ③ Cassette deck open button (OPEN) 16
- ④ Display
- ⑤ Remote control signal sensor
- ⑥ Album or 13
- ⑦ Tuner/band select button (TUNER/BAND) 8
- ⑧ AC supply indicator (AC IN)
This indicator lights when the unit is connected to the AC mains supply.
- ⑨ Standby/on switch ()
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- ⑩ Stop, demonstration button (STOP , -DEMO) 7
- ⑪ Surround button (SURROUND) 19
- ⑫ Sound button (SOUND) 19
- ⑬ Track or 13
- ⑭ Recording start/pause button (, , REC) 18
- ⑮ CD play/pause button (CD ,) 10
- ⑯ Volume control (VOLUME DOWN, UP) 8
- ⑰ Cassette play button (TAPE) 16
- ⑱ CD tray open/close button (OPEN/CLOSE) 10
- ⑲ CD skip/search, tape fast-forward/rewind, tune/preset channel select, time adjust buttons (, , ,) 7
- ⑳ CD tray

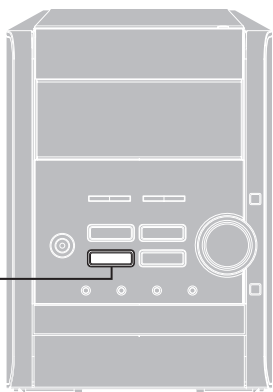
B Remote Control

Buttons such as ⑨ function in exactly same way as the buttons on the main unit.

- ⑲ Sleep timer, auto off button (SLEEP, -AUTO OFF) 21
- ⑳ CD program/clear, tuner preset button (PROGRAM, -CLEAR) 9
- ㉑ Play mode select button (PLAY MODE) 8
Use this for selecting CD play mode, tune mode, FM mode.
- ㉒ Repeat button (REPEAT) 11
- ㉓ Display button (DISPLAY) 8
- ㉔ Delete button (DEL) 12
- ㉕ Stop button (STOP) 11
- ㉖ Intro button (INTRO) 14
- ㉗ Marker memory/recall button (MARKER) 15
- ㉘ Muting button (MUTING) 7
- ㉙ Play timer/recording timer button (,) 20
- ㉚ Clock/timer button (CLOCK/TIMER) 7
- ㉛ Numeric, character buttons () 9
- ㉜ Enter button (ENTER) 14
- ㉝ Title search select button (TITLE SEARCH) 14
- ㉞ Dimmer button (DIMMER) 7

A

STOP ■, -DEMO

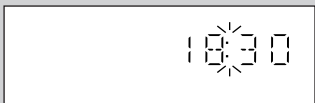


B

1 2 • 4



3



C

MUTING



DIMMER

A Demo function

When the unit is first plugged in, a demonstration of its functions may be shown on the display.
If the demo setting is off, you can show a demonstration by selecting "DEMO ON".

Press and hold [STOP ■, -DEMO].

The display changes each time the button is held down.

→ DEMO OFF → DEMO ON →

While in the standby mode, select "DEMO OFF" to reduce power consumption.

B Setting the time

This is a 24-hour clock.

The example shows how to set the clock for 18:30 (6:30 pm).

1 Press [⏻] to turn the unit on.

2 Press [CLOCK/TIMER] to display "CLOCK".

Every time you press the button:

→ CLOCK → ⏮ PLAY → ⏭ REC →
Original display ←

3 Within 5 seconds

Press [V/REW/⏮] or [^/FF/⏭] to set the time.

Press and hold to change the time faster.

4 Press [CLOCK/TIMER].

The time is set and the original display is restored.

To show the time (when the unit is ON)

Press [CLOCK/TIMER].

The clock is shown for about 5 seconds.

Note

The clock may lose or gain some time over a period.
Readjust if necessary.

C Convenient functions

To dim the display panel

Use this when you are going to sleep or any other time you would prefer the panel to be dimmer.

Press [DIMMER].

The display panel dims except for the [AC IN] indicator.

To cancel

Press [DIMMER] again.

To mute the volume

This feature is convenient when you have a telephone call, etc.

Press [MUTING].

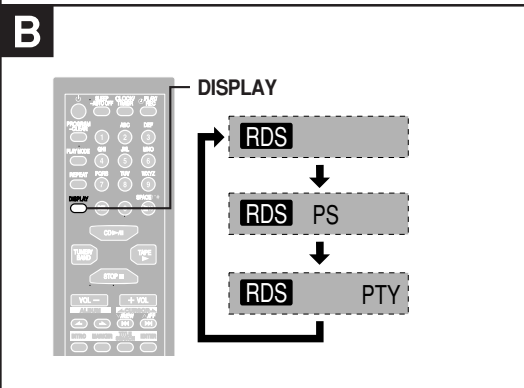
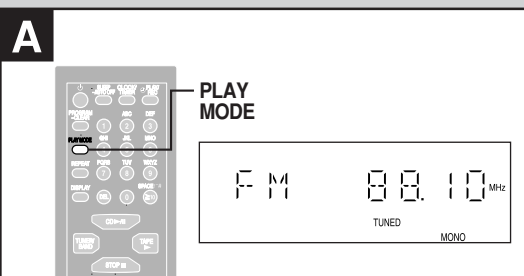
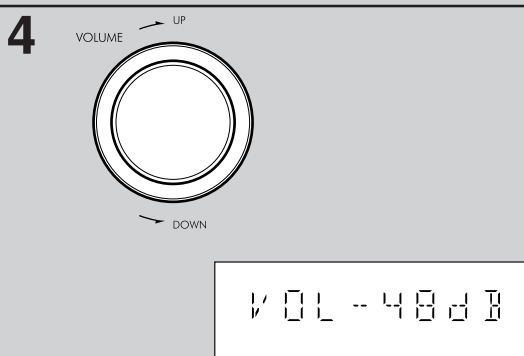
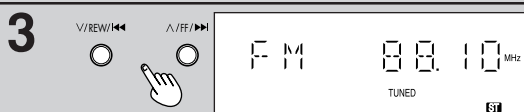
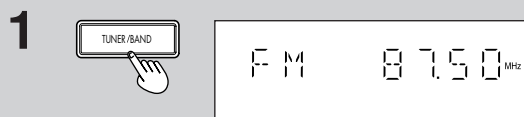
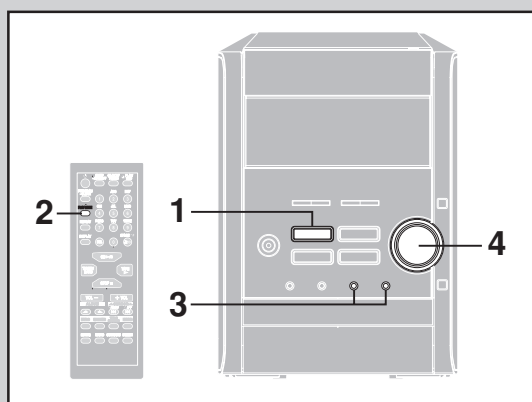
"MUTING" appears.

To cancel

Press [MUTING] again. ("MUTING" goes out.)

Muting can also be cancelled by lowering the volume all the way to (-- dB).

When the system is turned off, the muting operation will be automatically cancelled.



The radio: manual tuning

- 1 Press **[TUNER/BAND]** to select “FM” or “AM”.
The unit comes on automatically.
Every time you press the button:
→ FM → AM →
- 2 Press **[PLAY MODE]** on the remote control to select the manual tuning mode.
→ MANUAL → PRESET →
- 3 Press **[V/REW/◀◀]** or **[^/FF/▶▶]** to select the frequency of the required station.
“TUNED” is displayed when a radio station is tuned.
“ST” is displayed when a stereo FM broadcast is being received.
- 4 Adjust the volume.

Auto tuning

Press and hold **[V/REW/◀◀]** or **[^/FF/▶▶]** for a moment until the frequency starts changing rapidly. The unit begins auto tuning, stopping when it finds a station.

- Auto tuning may not function when there is excessive interference.
- To cancel auto tuning, press **[V/REW/◀◀]** or **[^/FF/▶▶]** once again.

A If noise is excessive in FM

Press and hold **[PLAY MODE]** to display “MONO”.

This mode improves sound quality if reception is weak, but broadcasts will be heard in monaural.

Press and hold **[PLAY MODE]** again to cancel the mode.

“MONO” goes out. MONO is also cancelled if the frequency is changed.

Turn off “MONO” for normal listening. Stereo and monaural broadcasts are automatically played as they are received.

B RDS broadcasting (For Europe)

This unit can display the text data transmitted by the radio data system (RDS) available in some areas.

If the station you are listening to is transmitting RDS signals, “RDS” will light up on the display.

Displaying the name of a broadcasting station or a program type

Press **[DISPLAY]**.

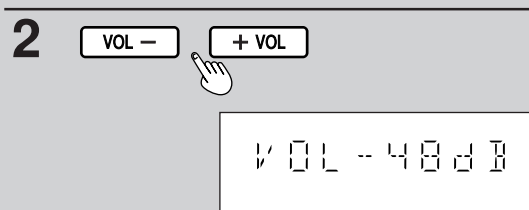
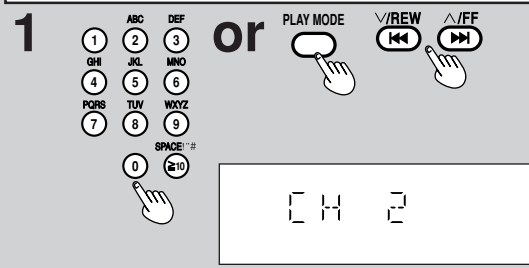
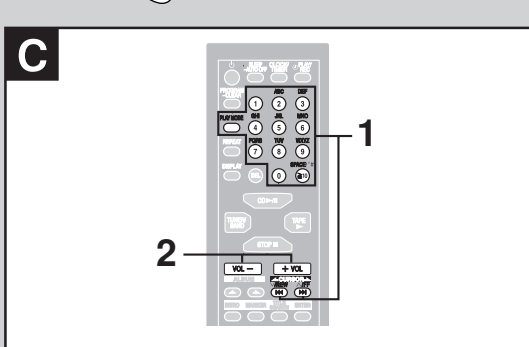
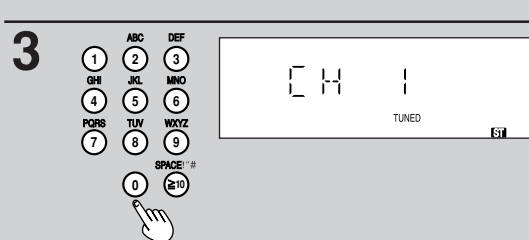
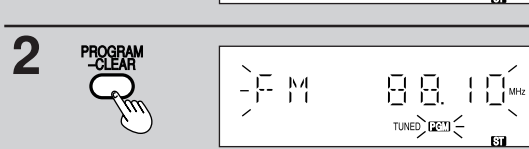
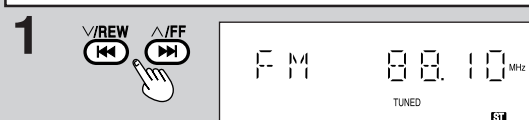
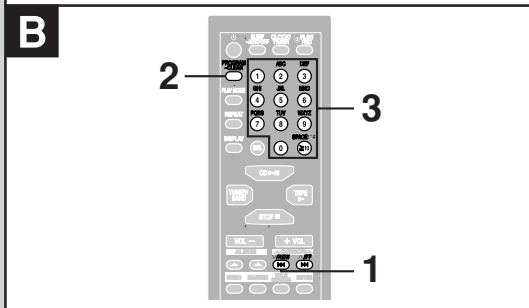
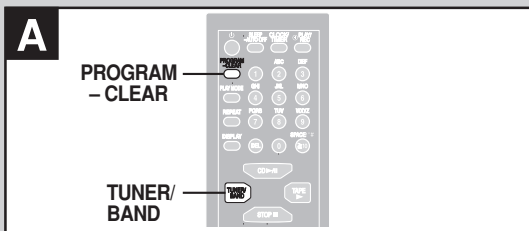
Every time you press the button:

Frequency display → Station Name (PS) → Program type (PTY)

Program type displays			
NEWS	VARIED	FINANCE	COUNTRY
AFFAIRS	POP M	CHILDREN	NATIONAL
INFO	ROCK M	SOCIAL A	OLDIES
SPORT	M.O.R M*	RELIGION	FOLK M
EDUCATE	LIGHT M	PHONE IN	DOCUMENT
DRAMA	CLASSICS	TRAVEL	TEST
CULTURE	OTHER M	LEISURE	ALARM
SCIENCE	WEATHER	JAZZ	

Notes

- RDS displays may not be available if reception is poor.
- *M.O.R M=“Middle of the road music”
- Sound is momentarily interrupted if you load/unload tapes while listening to an AM broadcast.



The radio: preset tuning

There are two methods of presetting stations.

Automatic presetting: Stations the tuner can receive are preset automatically.

Manual presetting: You can select the stations to preset and the order they are preset in.

Up to 15 stations each can be set in the FM and AM bands.

Preparation:

Press [TUNER/BAND] to select "FM" or "AM".

A Automatic presetting

Do the following once each for FM and AM.

Preparation:

Tune to the frequency where presetting is to begin (➡ page 8).

Press and hold [PROGRAM, -CLEAR].

The tuner presets stations it can receive into the channels in ascending order. When finished, the last station memorized is tuned in.

B Manual presetting

Preset the stations one at a time.

1 Press [V/REW/◀◀] or [A/FF/▶▶] to tune to the required station.

2 Press [PROGRAM, -CLEAR].

3 Press numeric buttons to select a channel.

The station occupying a channel is erased if another station is preset in that channel.

C Selecting channels

1 Press numeric buttons to select the channel.

For channels 1 to 9 press the corresponding number.

For channels 10 to 15 press [≥10], then the two digits.

OR

① Press [PLAY MODE] to select "PRESET".

② Press [V/REW/◀◀] or [A/FF/▶▶] to select the channel.

2 Adjust the volume.

AM allocation setting

Each country allocates broadcast bands according to their particular needs.

This system can also receive AM broadcasts allocated in 10 kHz steps.

To change the step (9kHz ↔ 10kHz)

Preparation:

① Press [TUNER/BAND] to select "FM".

② Press and hold [TUNER/BAND].

After a few seconds the display changes to a flashing display of the current minimum frequency.

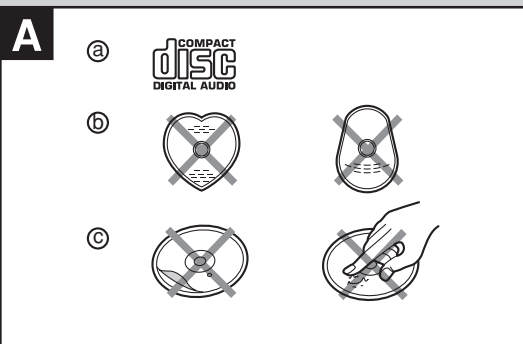
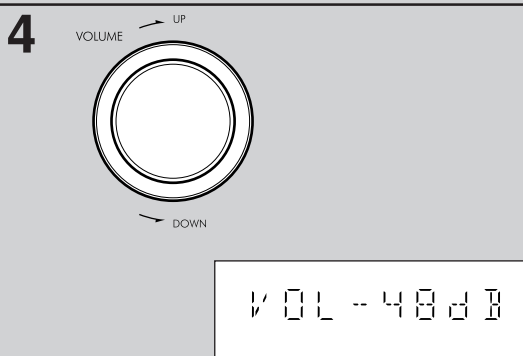
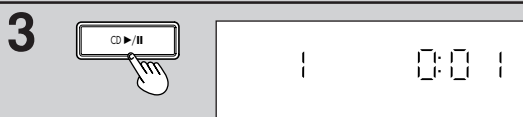
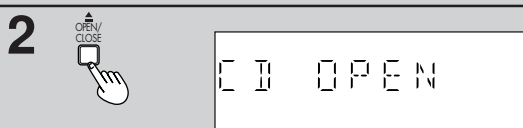
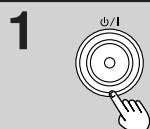
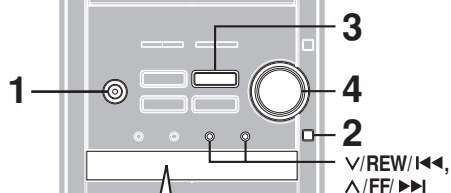
③ Continue to hold [TUNER/BAND] down.

When the minimum frequency changes, release the button.

To return to the original step, repeat the above steps.

Note

After changing the "allocation" setting, the frequencies you previously preset in the memory will be cleared.



CDs

This unit can play CD-DA (digital audio) format audio CD-R and CD-RW that have been finalized (a process performed after recording that enables this unit to play audio CD-R and CD-RW).

It may not be able to play some CD-R or CD-RW due to the condition of the recording.

- 1** Press [⏻/I] to turn the unit on.
- 2** Press [▲ OPEN/CLOSE] to load a CD, then press [▲ OPEN/CLOSE] again.
- 3** Press [CD ▶/II] to start play.
- 4** Adjust the volume.

To	Action
stop the disc	Press [STOP ■].
pause play	Press [CD ▶/II]. Press again to resume play.
skip tracks	Press [V/REW/◀◀] or [Λ/FF/▶▶].
search through tracks	Press and hold [V/REW/◀◀] or [Λ/FF/▶▶] during play or pause.
start one touch play	Press [CD ▶/II] when the CD is loaded but the unit is off.
remove a CD	Press [▲ OPEN/CLOSE].

Note

- During random play, you cannot skip to tracks which have already been played.
- During program play (➡ page 12), or random play, search can be done within the track in play only.
- During program play, skipping is always in the programmed order, whether forward or backward.
- Program play cannot be used in combination with random play.

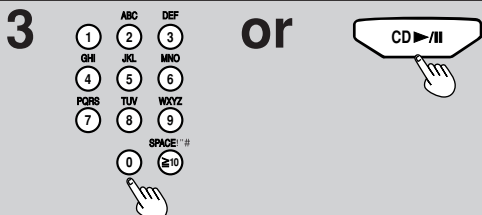
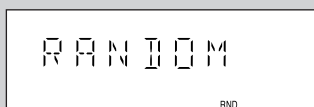
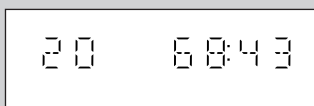
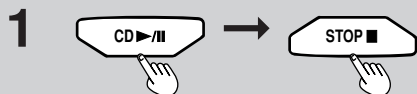
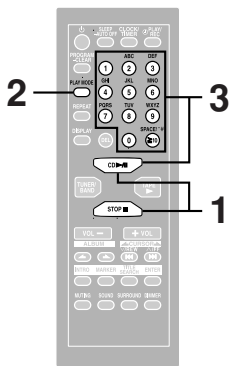
A CD selection and care

With this system, you can only play CDs having this mark. (a)

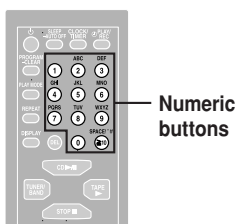
Do not;

- use irregularly shaped CDs. (b)
- attach extra labels and stickers.
- use discs with labels and stickers that are coming off or with adhesive exuding from under labels and stickers. (c)
- attach scratch-proof covers or any other kind of accessory.
- write anything on the CD.
- clean CDs with liquids. (Wipe with a soft, dry cloth.)
- use CDs printed with label printer available on the market.

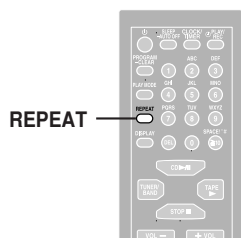
A



B



C



CDs

A CD Play Mode function

Mode	To play
1-TRACK	one selected track on the disc.
RANDOM	a disc in random order.

- Press [CD ►/||] and then [STOP ■].
- Press [PLAY MODE] to select your desired mode.
→ 1-TRACK → RANDOM
Original display ←
- When "1-TRACK" is selected in step 2
Select the track with the numeric buttons to start play.
To select track 10 or over, press ≥ 10 then the two digits.
 - When "RANDOM" is selected in step 2
Press [CD ►/||] to play CD.

To stop play
Press [STOP ■].

When playback ends
The current play mode will be retained.

Note

- You can use the CD Play Mode function together with repeat play.
- During RANDOM play, you cannot skip to tracks which have already been played.
- During RANDOM play, you can search forward or backward only within the current track.

B Direct access play

Direct access allows you to start normal play from a specific track to the last track on the CD.

Press the numeric button(s) to select and play your desired track number.

To select a two-digit track
Press ≥ 10 and then the two numbers you want.

Note

You cannot use direct access play with RANDOM mode.

C Repeat play

Press [REPEAT] before or during play.
"REPEAT ON" and "🔁" are displayed.

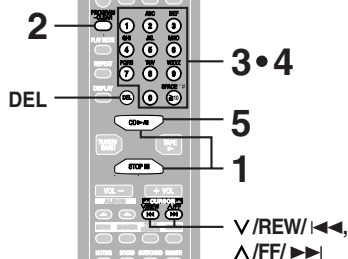
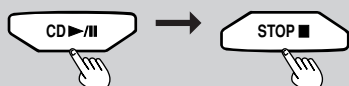
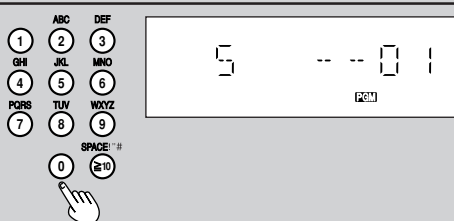
To cancel repeat play
Press [REPEAT] once again. "REPEAT OFF" is displayed and "🔁" is cleared.

- To repeat your favourite tracks**
- Program the tracks you want (perform steps 1 ~ 5 on page 12.)
 - Press [REPEAT] and make sure "REPEAT ON" and "🔁" are displayed.
 - Press [CD ►/||]. Playback will start.

To use repeat play with CD Play Mode function
Set the desired mode, press [REPEAT] before or during playback, and make sure "REPEAT ON" and "🔁" are displayed.

A

DISPLAY

**B****1****2****3****5****CDs****A CD display**

This function allows you to display the remaining play time of the current track.

During play or pause mode

Press [DISPLAY].

Every time you press the button:

Elapsed play time ↔ Remaining play time

B Program play

This function allows you to program up to 24 tracks.

1 Press [CD >II] and then [STOP ■].**2 (In the stop mode)**

Press [PROGRAM, -CLEAR].

3 Press numeric buttons to select the desired track.**4 Repeat step 3 to program other tracks.****5 Press [CD >II].**

Play will start in the programmed sequence.

Play will stop automatically when all the programmed tracks have been played.

To	Action
cancel program play mode	Press [PROGRAM] in the stop mode. Programmed contents will be saved in memory.
clear the last track	Press [DEL] in the stop mode.
clear all programmed tracks	Press and hold [PROGRAM/-CLEAR] in the stop mode until "PGM CLEAR" is displayed.
select a two-digit track	Press [≥10] and then the two numbers you want.

When "PGM FULL" appears

The number of programmed tracks is limited to 24. No further tracks can be programmed.

Check program contents

Check to see if "PGM" is displayed, then press either [V/REW/FF/FF] or [V/REW/FF/FF].

Every time you press one of the buttons, the track and program number are shown on the display.

Add to the program

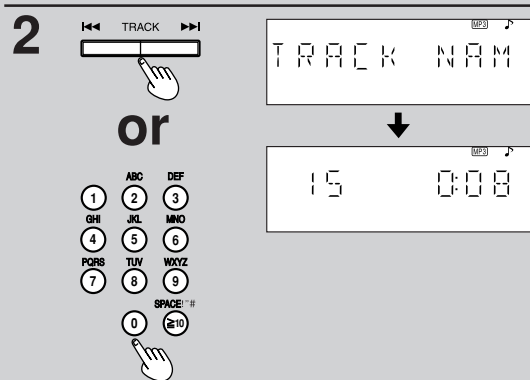
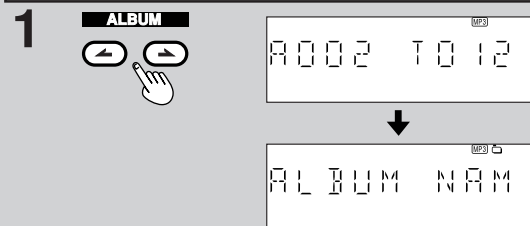
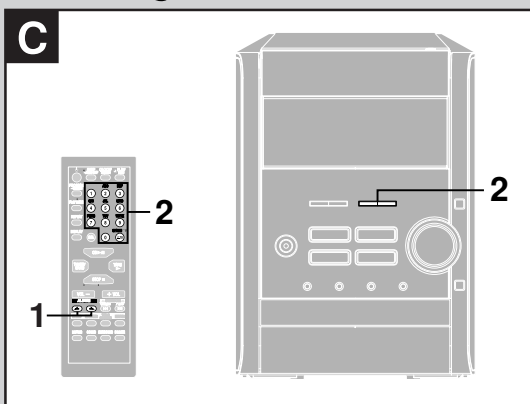
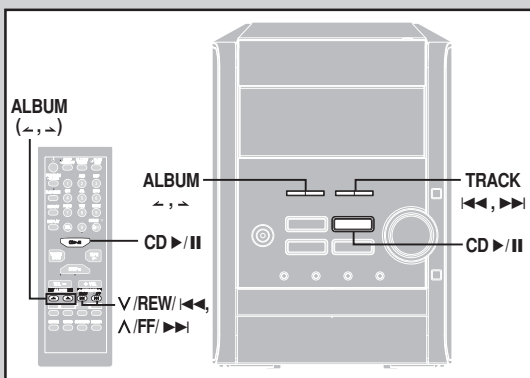
In the stop mode, repeat step 3.

Note

- During program play, you can search forward or backward only within the current track.
- During program play, skipping is always in the programmed order, whether forward or backward.

Memory retention

Your program is retained in memory for about 2 weeks while the system is unplugged.



Enjoying MP3

This unit can play MP3 files recorded on CD-R/RW. Files are treated as tracks and folders are treated as albums. This unit can access up to 999 tracks, 400 albums and 20 sessions.

When making MP3 files to play on this unit

Disc format

Discs must conform to ISO9660 level 1 or 2 (except for extended formats).

File format

MP3 files must have the extension ".MP3" or ".mp3".

To play in a certain order

Prefix the folder and file names with 3-digits numbers in the order you want to play them.

MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomsom multimedia.

Limitations on MP3 play

- This unit is not compatible with packet-write format.
- When both MP3 and CD-DA data is recorded on the disc over a number of sessions:
 - If the first session contains MP3 recordings, the unit will play from the MP3 made in that session till the session before the first CD-DA recordings.
 - If the first session contains CD-DA recordings, the unit will play only the recordings made in that session. The subsequent sessions will be ignored.
- During program play, you cannot search forward or backward within the track.
- Some MP3 may not be played due to the condition of the disc or recording.
- Recordings will not necessarily be played in the order you recorded them.

"[MP3]" : Indicates the disc contains MP3 files

A Album skip play

During play or stop

Press [ALBUM, ◀ or ▶] to select the desired album.

When selecting in the stop mode:

Press [CD ▶||] to start play.

B Track skip play

During play or stop

Press [TRACK, ◀◀ or ▶▶] to select a desired track.

(You can also press [V/REW/◀◀] or [▲/FF/▶▶].)

When selecting in the stop mode:

Press [CD ▶||] to start play.

Note

During 1-ALBUM mode, track skipping can only be done within the current album.

C Starting play from a desired track

1 Press [ALBUM, ◀ or ▶] to select the album.

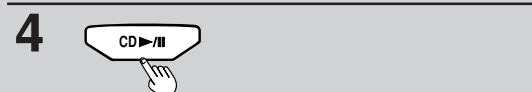
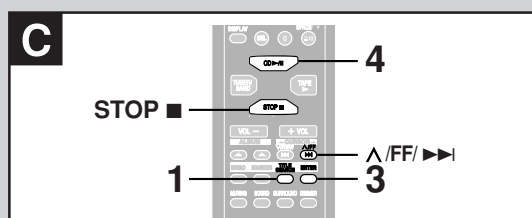
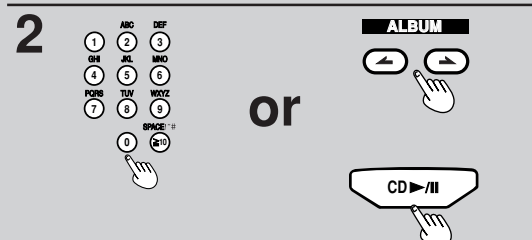
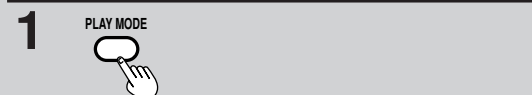
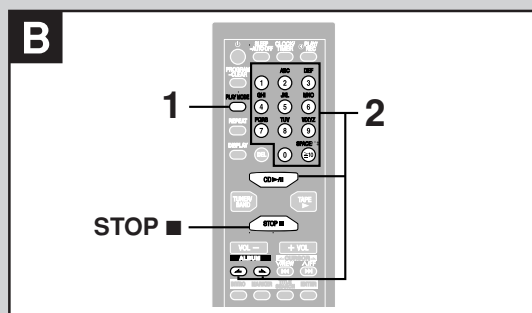
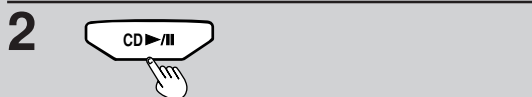
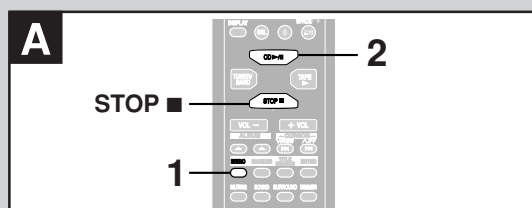
2 Press [TRACK, ◀◀ or ▶▶] or numeric buttons to select your desired track.

Note

- For two digits number, press [≥10] once then the two digits.
- For three digits number, press [≥10] twice then the three digits.

Program play for MP3

Please refer to page 12 for program play.



Enjoying MP3

A INTRO function (Album scan)

You can find an album by listening to the first track of all albums in the current disc for 10 seconds each.

Preparation: Press [CD >||] and then [STOP ■].

1 Press [INTRO].

INTRO function starts.

(INTRO function is cancelled after playing the first track in the last album on the current disc.)

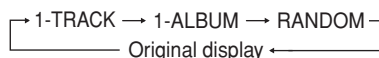
2 While your desired album is playing, press [CD >||].

Play starts from the first track of the album.

To stop during the process, press [INTRO] or [STOP ■].

B CD Play Mode function for MP3

1 Press [PLAY MODE] to select:



Mode	To
1-TRACK	play one selected track on the disc.
1-ALBUM	play one selected album on the disc.
RANDOM	play the disc in random order.

2 • When "1-TRACK" is selected in step 1

Press the numeric buttons to select your desired track in the CD.

• When "1-ALBUM" is selected in step 1

Press [ALBUM (← or →)] to select your desired album. Press [CD >||] to start play.

Play starts from the first track of the selected album.

To stop play
Press [STOP ■].

When playback ends

The current play mode will be retained in memory until it is changed even if the unit is turned off.

When "NOT MP3/ERROR E2" or "NOT MP3/ERROR E4" appears on the display

An unsupported MP3 format is being played. The unit will skip that track and play the next one.

Note

- You can use repeat mode (⇒ page 11) with CD Play Mode function.
- You cannot use program mode together with CD Play Mode function.

C Album/Track title search

Preparation: Press [CD >||] and then [STOP ■].

1 For album title search, press [TITLE SEARCH] once. For track title search, press [TITLE SEARCH] twice.

2 Enter the album or track title keyword.

(⇒ page 15)

3 Press [ENTER].

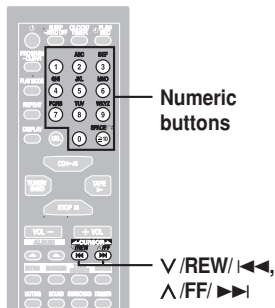
Press [^/FF/>||] to display the next title search result. "NOT FOUND" is displayed when there is no match.

4 Press [CD >||] to start play from the album/track found.

To cancel partway through

Press [STOP ■].

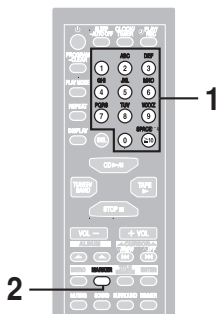
A



Numeric buttons

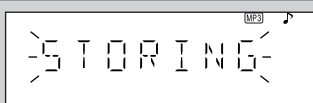
V/REW/FF/FF

B

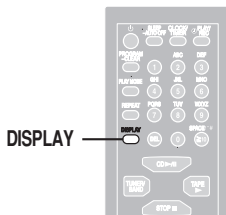


1

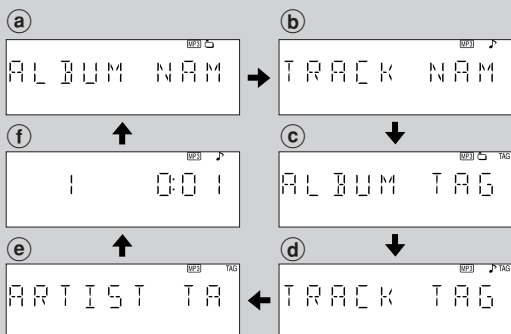
2



C



DISPLAY



Enjoying MP3

A Entering characters

You can enter keyword of up to 9 characters for album/track title search.

- Press the numeric button to select the required character.
Characters allocated to the numbered buttons:

Numbered buttons	Characters	Numbered buttons	Characters
1	1	6	M N O 6
2	A B C 2	7	P Q R S 7
3	D E F 3	8	T U V 8
4	G H I 4	9	W X Y Z 9
5	J K L 5	0	0
≥10	space ! " # \$ % & ' () * + , - . / : ; = ? _ [\] ^ _ ` { } ~		

The characters change each time a numbered button is pressed.

- To enter, press [V/FF/FF/FF].

Editing keywords

To move the cursor

Press [V/REW/FF/FF] or [V/FF/FF/FF] to revise any characters.

To delete, move the cursor over the character and press [DEL].

B Marking a track

You can mark one track on the disc loaded so that you can start play from them later.

To mark a track number

- During play or stop
Select your desired track with the numeric buttons.
For two digits number, press [≥10] once then the two digits.
For three digits number, press [≥10] twice then the three digits.
- Hold down [MARKER] until "STORING" blinks on the display.
The selected track is stored in the marker of the current disc. The previous track will be replaced.

To recall a marked track number in the disc

During play or stop

Press [MARKER] to recall a marker.

Play start from the track recalled.

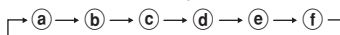
Note

- "NO MARKER" indicates that the marker in the current disc is empty.
- The marker memory is cleared when you open the CD tray.
- You cannot use this function during Random play/program mode.

C CD display for MP3

During play or pause

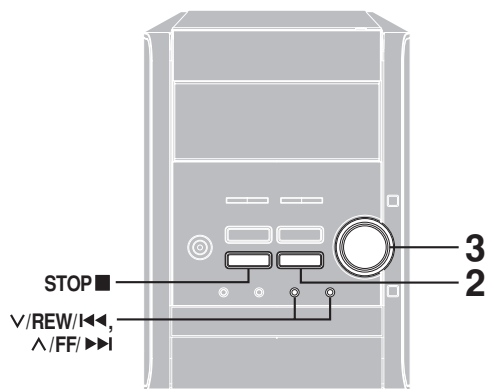
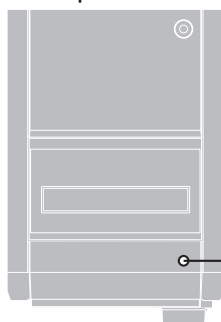
Press [DISPLAY] to select your desired CD display.



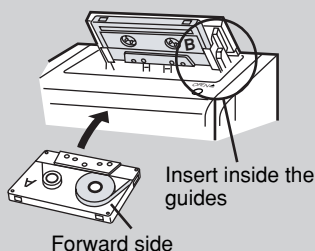
Note

- When a title is longer than 9 characters, it will scroll across the display.
- "NO ID3" is displayed if titles with ID3 tags haven't been entered.
- Maximum number of displayable characters:
Album/track title: 32
ID3 album/title/artist name: 32
(ID3 is a tag embedded in MP3 track to provide information about the track.)
- This unit can display album and track titles with ID3 tags (version 1.0 and 1.1). Titles containing text data that the unit doesn't support cannot be displayed.

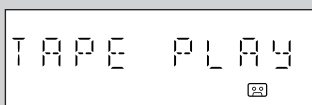
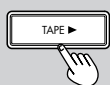
Top of the unit



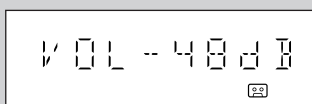
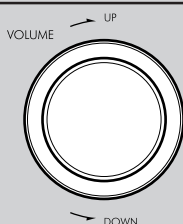
1



2



3



Cassette tapes

1 Press [OPEN ▲] to insert a cassette with the tape facing in.

When the button is pressed, the unit comes on automatically. Make sure the cassette is fully inserted and close the lid by hand.

2 Press [TAPE ▶] to start playback.

One side is played, then playback stops automatically. To play on the other side of the cassette, turn the cassette over and press [TAPE ▶].

3 Adjust the volume.

To	Action
stop tape playback	Press [STOP ■].
start one touch play	Press [TAPE ▶] when the system is OFF with the cassette loaded.
fast-forward and rewind	Press [V/REW/◀◀] or [△/FF/▶▶] in the stop mode.

Cassette tape selection and care

Types of cassettes which can be played correctly

Use normal position tapes.

High position and metal position tapes can be played, but the unit will not be able to do full justice to the characteristics of these cassettes.

- Tapes exceeding 100 minutes are thin and can break or get caught in the mechanism.
- Tape slack can get caught up in the mechanism and should be wound up before the tape is played.
- Endless tapes can get caught up in the deck's moving parts if used incorrectly.

To find the beginning of a program (TPS: Tape Program Sensor)

TPS finds the beginning of a track and resumes play from there. Each press increases the number of tracks skipped, up to a maximum of 9.

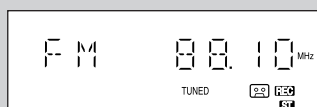
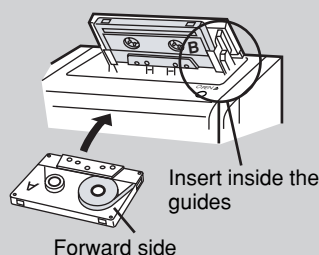
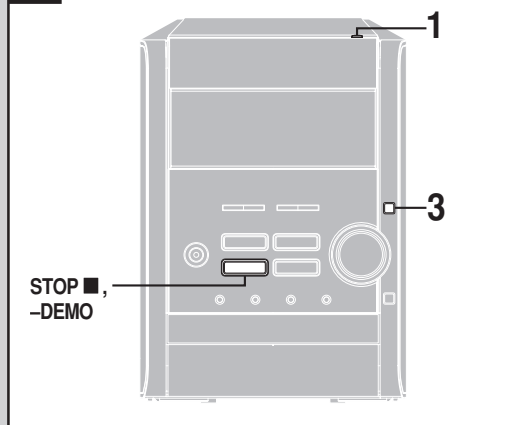
Press [V/REW/◀◀] or [△/FF/▶▶] during play.

Notes

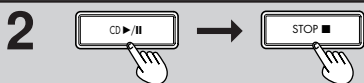
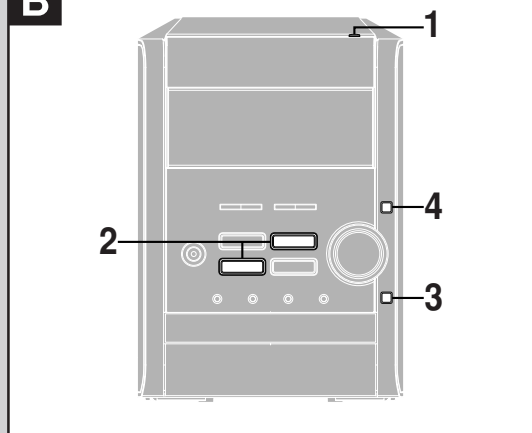
The TPS function searches for silent parts of about 4 seconds in length which are normally found between tunes. As a result, it may not function properly in the following cases:

- With short silent parts
- When noise occurs between tunes
- With silent parts found within tunes

A



B



Before recording

Types of tapes which can be recorded correctly

Use normal position tapes.
High position and metal position tapes can be used, but the unit will not be able to record or erase them correctly.

The effect of volume and sound quality on recording

These have no effect on recording.
They can be changed for playback.

A Recording the radio

Preparation:

- Wind up the leader tape.
- To record from halfway through the tape
Wind the tape up to where you want to start recording.

- 1 Insert the cassette to be recorded on.
- 2 Tune to the required station.
(→ page 8 or 9)
- 3 Press [●/|| REC] to start recording.

To	Action
stop recording	Press [STOP ■, -DEMO].
stop recording temporarily	Press [●/ REC]. Press again to resume recording.

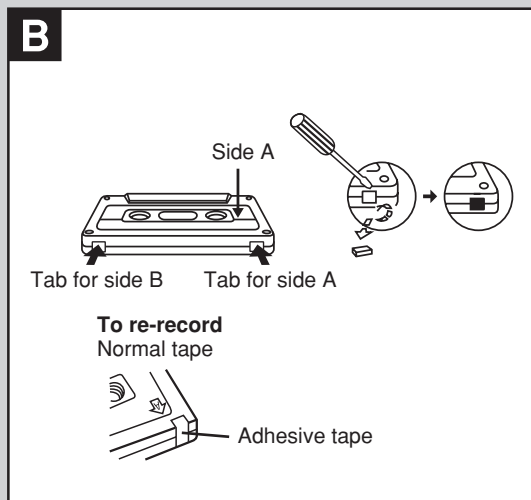
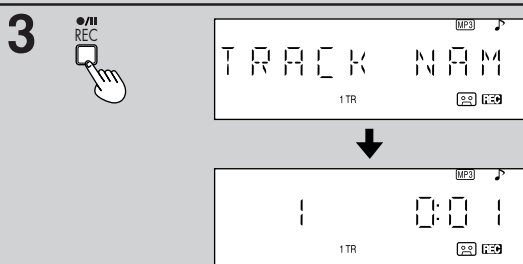
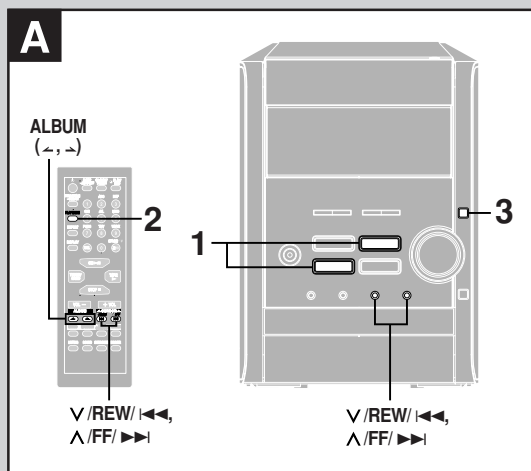
Recording CDs

B Normal recording

- Tracks are recorded in the order in which they are found on the CD.
- Tracks are cut in the middle when the end of the tape is reached.
- You can record from any point on the tape.

- 1 Insert the cassette to be recorded on.
- 2 Press [CD ►/||] and then [STOP ■].
- 3 Press [OPEN/CLOSE ▲] to open the CD tray.
Insert the CD with label facing upward.
Press [OPEN/CLOSE ▲] to close the CD tray.
- 4 Press [●/|| REC] to start recording.
The recording will start from the first track.

To	Action
stop recording	Press [STOP ■, -DEMO].
stop recording temporarily	Press [●/ REC]. Press again to resume recording.



Recording CDs

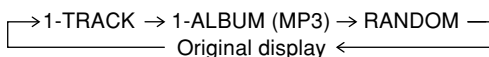
Preparation:

- Tracks are recorded in the order in which they are found on the CD.
- Tracks are cut in the middle when the end of the tape is reached.
- You can record from any point on the tape.

A To record specific CDs/tracks

1 Press [CD ►/II] and then [STOP ■].

2 Press [PLAY MODE] to select your desired mode.



Mode	To
1-TRACK	record one selected track on the disc.
1-ALBUM	record one selected album on the disc.
RANDOM	record the disc in random order.

For 1-TRACK mode

Press [V/REW/FF] or [V/REW/FF] to select the track.

For 1-ALBUM mode (MP3)

Press [ALBUM (◀ or ▶)] to select the album.

3 Press [●/II REC] to start recording.

To	Action
stop recording	Press [STOP ■, -DEMO].
stop recording temporarily	Press [●/II REC]. If the tape finishes before the CD, press [STOP ■, -DEMO] to stop the CD. Press [●/II REC] to resume recording.

To record programmed tracks

This function allows you to record up to 24 programmed tracks.

1 Programme the track(s) you want.

(⇒ steps 1 - 4 on page 12)

2 Press [●/II REC] to start recording.

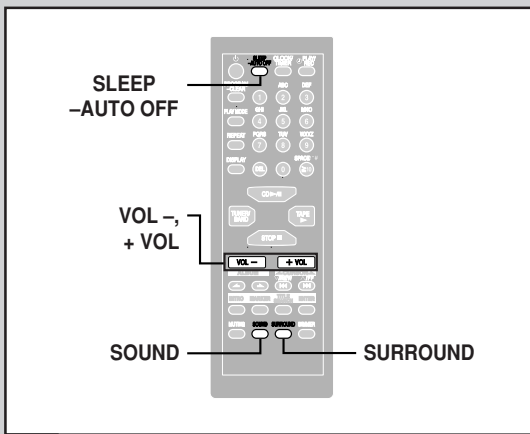
B Erasure prevention

The illustration shows how to remove the tabs to prevent re-recording. To record on the tape again, cover as shown.

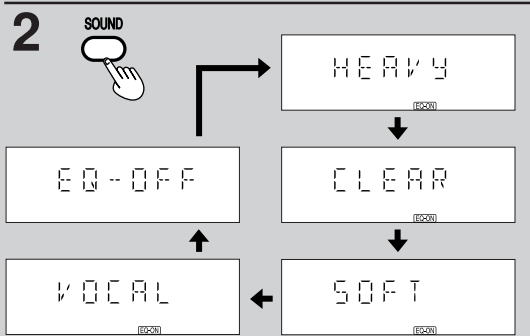
To erase a recorded sound

- ① Insert the cassette to be recorded on (⇒ page 17).
- ② Press [TAPE] and then [STOP ■].
- ③ Press [●/II REC].

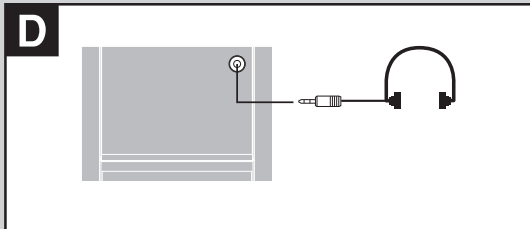
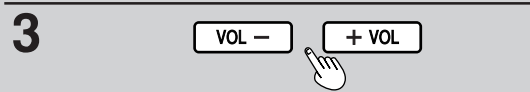
Your attention is drawn to the fact that recording pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.



A



B



Sound Quality

Using the built-in sound quality settings

You can choose one of four types of sound quality with Preset EQ or enhance the bass and treble effect of the sound with Manual EQ.

A Preset EQ

- 1 Press and hold [SOUND] to select "PRESET EQ".
- 2 Press [SOUND] to select a setting.

B Manual EQ

- 1 Press and hold [SOUND] to select "MANUAL EQ".
- 2 Press [SOUND] to select a setting.
- 3 Press [VOL -] or [+ VOL] to adjust to the desired level.
The tone level can be varied within a range of -5 to +5.

Note

Changes to sound quality do not affect recordings.

Enhancing the sound quality

C Using the "live" effect (SURROUND)

The surround sound leaves middle-range sounds such as vocals clear and gives natural width and depth to music. Surround sound is effective with stereo sound.

Press [SURROUND] to display "■■■■■".

To cancel

Press [SURROUND] to clear the "■■■■■" indicator.

- When listening through headphones, the effect is less discernible than through the unit's speakers.
- If interference in FM stereo reception increases, cancel the surround sound effect.

D Listening with headphones

Reduce the volume level, and connect the headphones. Plug type: 3.5 mm stereo.

Note

Avoid listening for prolonged periods of time to prevent hearing damage.

E Auto-off function

To save power, the unit turns off if it is left unused for 10 minutes. This function works only if CD or tape is selected as the source.

Note

This function does not work if the source is tuner.

Press and hold [AUTO OFF].

"AUTO OFF" is shown on the display.

To cancel

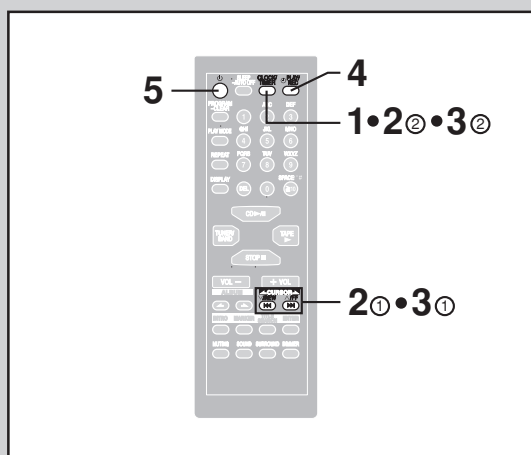
Press and hold [AUTO OFF] again to clear "AUTO OFF" from the display.

For your reference

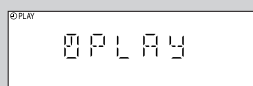
The setting is maintained even if the unit is turned off. When the unit is turned on again, "AUTO OFF" is displayed and the unit functions as described above.

"AUTO OFF" disappears from the display if tuner is selected as the source but continues to function normally.

"AUTO OFF" remains displayed if CD or tape is selected as the source.



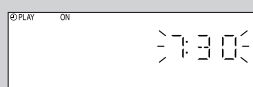
For Play Timer



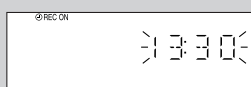
For Record Timer



⏮PLAY ON



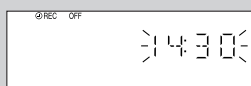
⏮REC ON



⏮PLAY OFF



⏮REC OFF



Using the timers

Using the play/record timer

The timer has two functions. It can be set to on at a certain time to wake you up, or it can be set to record the radio. The play timer cannot be used in combination with the record timer.

Preparations:

- Turn the unit on and set the clock (→ page 7).
- For the play timer**, prepare the music source you want to listen to; cassette, CD or radio, and set the volume.
- For the record timer**, check the cassette's erasure prevention tabs (→ page 18), insert the tape and tune to the radio station (→ page 8, 9).

1 Press [CLOCK/TIMER] to select the timer function:

Every time you press the button:



Timer	To
CLOCK	set the clock.
⏮ PLAY	set the play timer.
⏮ REC	set the record timer.
original display	resume original display.

Setting the start and finish times

(Within 3 seconds)

2 ① Press [V/REW/◀◀] or [V/FF/▶▶] to select the starting time.

② Press [CLOCK/TIMER].

3 ① Press [V/REW/◀◀] or [V/FF/▶▶] to select the finishing time.

② Press [CLOCK/TIMER].

The start and finish times are now set.

Turning the timer on

4 Press [⏮PLAY/REC].

Every time you press the button:



Timer	To
⏮ PLAY	turn on the play timer.
⏮ REC	turn on the record timer.
no display	turn off.

5 Press [⏻] to turn the unit off.

The unit must be off for the timers to operate.

• For play timer

The timer play will start at the preset time and volume level you preset.

• For record timer

The record timer comes on about 30 seconds earlier than the set time.

(Continued on next page)

A



**CLOCK/
TIMER**



CLOCK



⏮PLAY

PLAY



⏮REC

REC

B



**SLEEP
-AUTO OFF**



SLEEP

SLEEP 30

Using the timers

To cancel the timer

Press [⏮PLAY/REC] to clear the timer indicators from the display.

The timer comes on at the set time everyday if the timer is on.

To change the settings (when unit is on)

- **To change the play/record times**
Do steps 1, 2, 3, and 5 on the previous page.
- **To change the source or volume**
 - ① Press [⏮PLAY/REC] to clear the timer indicator from the display.
 - ② Make changes to the source or volume.
 - ③ Do steps 4 to 5 on the previous page.

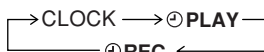
A Using the play/record timer

To check the settings (when unit is off)

Press [CLOCK/TIMER] twice.

(When the unit is on, press [CLOCK/TIMER] to select “⏮PLAY” or “⏮REC”.)

Every time you press the button:



The timer conditions are shown in the following order:

Play timer: start time → finish time → source → volume

Record timer: start time → finish time → source

You can enjoy other sources after you have set the timer.

Turn the unit off before the timer's start time.

Note

- If you turn the unit off and on again while a timer is functioning, the finish time setting will not be activated.
- If the unit is on, the timer will not function. The unit must be in the standby mode.

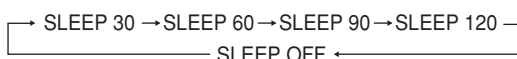
B Using the sleep timer

Set the unit to stop and turn off after the certain time.

While enjoying the desired source:

Press [SLEEP, -AUTO OFF] to select the desired time.

Every time you press the button:



To	Action
cancel the sleep timer	Press [SLEEP] to select “SLEEP OFF”.
confirm the remaining time	Press [SLEEP].
change the time remaining during operation	Press [SLEEP] to show the remaining time, and then press [SLEEP] to select the desired time.

Note

- The play and sleep timer or the record and sleep timer can be used together.
- The sleep timer always has priority. Be sure not to overlap timer settings.

Technical specifications

AMPLIFIER SECTION

RMS power output	
THD 10%, both channels driven	15 W per channel (6 Ω)
PMPO power output (For South East Asia only)	150 W
Output impedance	
Headphone	16-32 Ω

FM TUNER SECTION

Frequency range	87.50–108.00 MHz (50 kHz step)
Sensitivity	1.5 μV (IHF)
S/N 26 dB	1.5 μV
Antenna terminal(s)	75Ω (unbalanced)

AM TUNER SECTION

Frequency range	522 – 1629 kHz (9 kHz steps) 520 – 1630 kHz (10 kHz steps)
Sensitivity	
S/N 20 dB (at 999 kHz)	560 μV/m

CASSETTE DECK SECTION

Track system	4 track, 2 channel
Heads	
Record/playback	Solid permalloy head
Erasure	Double gap ferrite head
Motor	DC servo motor
Recording system	AC bias 100 kHz
Erasing system	AC erase 100 kHz
Tape speed	4.8 cm/s
Overall frequency response (+3, -6 dB) at DECK OUT	
NORMAL (TYPE I)	35 Hz – 14 kHz
S/N	47 dB (A weighted)
Wow and flutter	0.06% (WRMS)
Fast forward and rewind times	
	Approx. 120 seconds with C-60 cassette tape

CD SECTION

Disc played	
CD/MP3	8cm/12cm, CD-R/RW
Sampling frequency	44.1 kHz
Decoding	16 bit linear
Pickup	
Beam source/wavelength	Semiconductor laser/780 nm
(For Norge)	
Bølgelengde	780 nm
Laserstyrke	Ingen farlig stråling sendes ut
Number of channels	Stereo
Frequency response	20 Hz–20 kHz (+1, –2 dB)
Wow and flutter	Below measurable limit
Digital filter	8 fs
D/A converter	MASH (1 bit DAC)

MP3

Bit rate	32kbps–320kbps
Sampling frequency	32kHz, 44.1kHz, 48kHz

SPEAKER SECTION

Type	2 way, 2 speaker system
Speaker(s)	
Full range	10 cm cone type
Tweeter	6 cm cone type
Impedance	6 Ω
Input power	30 W (Max)
Output sound pressure level	82 dB/W (1.0 m)
Frequency range	55 Hz–22 kHz (–16 dB) 70 Hz–20 kHz (–10 dB)
Dimensions (WxHxD)	140 x 225 x 228 mm
Mass	1.95 kg

GENERAL

Power supply	
For Continental Europe	AC 230 V, 50 Hz
For United Kingdom, Australia and N.Z.	
	AC 230-240 V, 50 Hz
For South East Asia	AC 220-240 V, 50/60 Hz
Power consumption	48 W
Dimensions (WxHxD)	165 x 227 x 320 mm
Mass	3.67 kg

Power consumption in standby mode 0.8 W

Note:

- Specifications are subject to change without notice.
Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyzer.

Maintenance

If the surfaces are dirty

To clean this unit, wipe with a soft, dry cloth.

- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

For a cleaner crisper sound

Clean the heads regularly to assure good quality playback and recording.
Use a cleaning tape (not included).

CAUTION!

THIS PRODUCT UTILIZES A LASER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION!

- DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.
- DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.
- DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.
- DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

SUOMI

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VAROITUS!

- ÄLÄ ASENNATA TAI LAITA TÄTÄ LAITETTA KABINETTITYYPPISEEN KIRJAKAAPPIIN TAI MUUHUN SULJETTUUN TILAAN, JOTTA TUULETUS ONNISTUISI. VARMISTA, ETTÄ VERHO TAI MIKÄÄN MUU MATERIAALI EI HUONONNA TUULETUSTA, JOTTA VÄLTETTÄISIIN YLIKUUMENEMISESTA JOHTUVA SÄHKÖISKU- TAI TULIPALOVAARA.
- ÄLÄ PEITÄ LAITTEEN TUULETUSAUKKOJA SANOMALEHDELLÄ, PÖYTÄLIINALLA, VERHOLLA TAI MUULLA VASTAAVALLA ESINEELLÄ.
- ÄLÄ ASETA PALAVAA KYNTTILÄÄ TAI MUUTA AVOTULEN LÄHDETTÄ LAITTEEN PÄÄLLE.
- HÄVITÄ PARISTOT LUONTOA VAHINGOITTAMATTOMALLA TAVALLA.

VAROITUS:

TULIPALO-, SÄHKÖISKUVAARAN TAI TUOTETTA KOHTAAVAN MUUN VAHINGON VÄHENTÄMISEKSI EI LAITETTA SAA ALTISTAA SATEELLE, KOSTEUDELLE, VESIPISAROILLE TAI ROISKEELLE, EIKÄ NESTETTÄ SISÄLTÄVIÄ ESINEITÄ, KUTEN ESIMERKIKSI MALJAKOITA, SAA ASETTAA LAITTEEN PÄÄLLE.

NORSK

ADVARSEL!

DETTE PRODUKTET ANVENDER EN LASER. BETJENING AV KONTROLLER, JUSTERINGER ELLER ANDRE INNGREP ENN DE SOM ER BESKREVET I DENNE BRUKSANVISNING, KAN FØRE TIL FARLIG BESTRÅLING. DEKSLER MÅ IKKE ÅPNES, OG FORSØK ALDRI Å REPARERE APPARATET PÅ EGENHÅND. ALT SERVICE OG REPARASJONSARBEID MÅ UTFØRES AV KVALIFISERT PERSONELL.

ADVARSEL!

- APPARATET MÅ IKKE Plasseres i en bokhylle, et innebygget kabinett eller et annet lukket sted hvor ventilasjonsforholdene er utilstrekkelige. Sørg for at gardiner eller lignende ikke forverrer ventilasjonsforholdene, så risiko for elektrisk sjokk eller brann forårsaket av overheting unngås.
- APPARATETS ventilasjonsåpninger må ikke dekket til med aviser, bordduker, gardiner og lignende.
- Plasser ikke åpen ild, slik som levende lys, oppå apparatet.
- Brukte batterier må kasseres uten fare for miljøet.

ADVARSEL:

FOR Å REDUSERE FAREN FOR BRANN, ELEKTRISK STØT ELLER SKADER PÅ PRODUKTET, MÅ DETTE APPARATET IKKE UTSETTES FOR REGN, FUKTIGHET, VANNDRÅPER ELLER VANNSPRUT. DET MÅ HELLER IKKE Plasseres gjenstander fylt med vann, slik som blomstervaser, oppå apparatet.

Troubleshooting guide

Before requesting service, make the below checks. If you can't fix the system as described below, or if something not listed here occurs, refer to the enclosed directory to locate an Authorized Service Center convenient to you or contact your dealer.

Reference pages are shown as black circled numbers ⑤.

Common Problems

No sound.	Turn the volume up. The speaker cords may be shorted. Turn the unit off, check and correct the connections and turn the unit on. ⑤
Sounds unfixed, reversed or come from one speaker only.	Check the speaker connections. ⑤
Humming heard during play.	An AC mains lead or fluorescent light is near the cables. Keep other appliances and leads away from this unit's cables. If possible in your area, turn the AC mains lead's plug or connector over to reverse the lead's polarity.
"ERROR" is displayed.	Incorrect operation performed. Read the instructions and try again.
"- :- -" appears on the display.	You plugged the AC mains lead in for the first time or there was a power failure recently. Set the time. ⑦
"F76" is displayed.	Check and correct the speaker cord connections. ⑤ If this does not fix the problem, there is a power supply problem. Consult the dealer.

Listening to the radio

Noise is heard. The stereo indicator flickers or doesn't light. Sound is distorted.	Use an outdoor antenna. ⑤
A beat sound is heard.	Turn the TV off or separate it from the unit.
A low hum is heard during AM broadcast.	Separate the antenna from other cables and cords.
An AM broadcast station cannot be picked up clearly.	Frequency step is set to 10 kHz. Change the frequency step to 9 kHz. ⑨

When there is a television set nearby

The picture on the TV disappears or stripes appear on the screen.	The location and orientation of the antenna are incorrect. If you are using an indoor antenna, change to an outdoor antenna. ⑤ The TV antenna wire is too close to the unit. Separate the antenna wire of the TV set from the unit.
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Using the cassette deck

Recording is not possible.	If the erasure prevention tabs have been removed, cover the holes with adhesive tape. ⑬
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Playing discs

The display is wrong or play won't start.	The disc may be upside down. ⑩ Wipe the disc. Replace the disc if it is scratched, warped, or nonstandard. Condensation may have formed inside the unit due to a sudden change in temperature. Wait about an hour for it to clear and try again.
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The remote control

Remote control doesn't work.	Check the batteries are inserted correctly. ④ Replace the batteries if they are worn.
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